

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 235.00550101 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/579248
INTERNATIONAL APPLICATION NO. PCT/US2004/037896	INTERNATIONAL FILING DATE 12 November 2004	PRIORITY DATE CLAIMED 12 November 2003
TITLE OF INVENTION BIOTIN-FACILITATED TRANSPORT IN GRAM NEGATIVE BACTERIA		
APPLICANT(S) FOR DO/EO/US Altman et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: partial International Search Report, return postcard		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

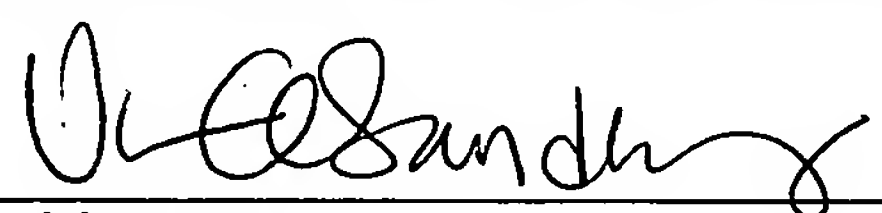
1153 Rec'd PCT/PTO 12 MAY 2006

PTO-1390 (Rev. 12-2004)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/579248		INTERNATIONAL APPLICATION NO. PCT/US2004/037896		ATTORNEY'S DOCKET NUMBER 235.00550101	
21. The following fees are submitted:					
<input checked="" type="checkbox"/> a) Basic national fee.....				\$	300 00
<input checked="" type="checkbox"/> b) Examination fee.....				\$	200 00
<input checked="" type="checkbox"/> c) Search fee.....				\$	500 00
TOTAL OF ABOVE CALCULATIONS =				\$	1000 00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	53 - 20 =	33	x \$50.00	\$	1650 00
Independent claims	3 - 3 =	0	x \$200.00	\$	0 00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	360 00
TOTAL OF ABOVE CALCULATIONS =				\$	2010 00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	2010 00
SUBTOTAL =				\$	1005 00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	0 00
TOTAL NATIONAL FEE =				\$	1005 00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	0 00
TOTAL FEES ENCLOSED =				\$	1005 00
				Amount to be refunded:	\$ 0.00
				Amount to be charged:	\$ 1005.00
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-4895</u> in the amount of \$ <u>1005.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-4895</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Victoria A. Sandberg Mueting, Raasch & Gebhardt, P.A. P.O. Box 581415 Minneapolis, MN 55458</p>					
				<p> SIGNATURE</p> <p>Victoria A. Sandberg NAME</p> <p>Reg. No. 41,287 REGISTRATION NUMBER</p>	

10/579248

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): ALTMAN et al.

Docket No.: 235.00550101

IAP9 Rec'd PCT/PTO 12 MAY 2006

Title: BIOTIN-FACILITATED TRANSPORT IN GRAM NEGATIVE BACTERIA

MAIL STOP PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

U.S. NATIONAL STAGE PATENT APPLICATION

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate)

- ☒ An itemized return postcard.
- ☒ Transmittal Letter to the United States DO/EO/US Concerning a Filing Under 35 U.S.C. 371 (Form PTO-1390) (2 signed copies, 2 pgs each)
- ☒ Application Data Sheet (2 pgs).
- ☒ Other: Copy of Invitation to Pay Additional Fees and Partial International Search Report (7 pgs)
- ☒ Please charge DEPOSIT ACCOUNT NO. 13-4895 in the amount of \$1005 to pay the filing fees.
- ☒ Preliminary Amendment (8 pages)

☒ **Small Entity Status is entitled to be asserted in the above-identified application.**

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813

By: 

Name: Victoria A. Sandberg

Reg. No.: 41,287

Direct Dial: 612-305-1226

Facsimile: 612-305-1228

CERTIFICATE UNDER 37 CFR §1.10::

"Express Mail" mailing label number: EV405491832US

Date of Deposit: 12 May 2006

I hereby certify that the Transmittal Letter and the paper(s) and/or fee(s), as described hereinabove, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to: **Mail Stop PCT** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 

Name: Kelly G. McNulty

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)